

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 9. (Cancelled)

10. (Currently Amended) A position measuring instrument according to claim 15, further comprising:

a light-receiving unit having a the collimation center, with a deviation of position of reflection light for the collimation center, and wherein the direction of the target reflector is obtained from a rotating position of an angle of detection.

11. (Previously Presented) A position measuring instrument according to claim 10, capable of obtaining a direction and distance to a plurality of reflectors.

12. (Previously Presented) A position measuring instrument according to claim 15, wherein a sending set sends a referenced data to an individual reflector, and based on a plurality of detection, transmit measurement data referenced to a reflected reflector.

13. (Previously Presented) A position measuring instrument according to claim 15, wherein image data captured by a light receiving unit is referred to the position data.

14. (Previously Presented) A position measuring instrument according to claim 15, further comprising a light-receiving unit and wherein image data captured by the light-receiving unit is revised based on the difference between image data emitted, and reversed detected light, and image data without detected light.

15. (Currently Amended) A position measuring instrument that irradiates a target reflector with measuring light to determine a distance to the reflector on the basis of reflected light, comprising:

a rotating unit comprising a rotating mirror and means for expanding the measuring light in a fan-shaped visual field, ~~field the fan-shaped visual field located at~~ expanding in an angular height direction relative to ~~the a~~ horizontal plane, and

a fixed unit comprising a distance-detection light emitting unit, a distance-detection light receiving unit which has a the same visual field as that is ~~the same as of~~ the fan-shaped visual ~~field of the measuring light field~~, and an angle detector detecting the horizontal angle position of the rotating mirror, whereby the measuring light of fan-shape is guided from the fixed unit via the rotating mirror horizontally to the reflector and the measuring light reflected by the reflector is guided via the rotary mirror back to the fixed unit-, wherein

said measuring light includes collimation light, and

said light receiving unit has a collimation-use light receiving sensor for receiving the collimation light, and

said collimation-use light receiving sensor detects a collimation center and a deviation of the reflector by the reflected light.